

Abstract

Vertical parallel conveying of lid closures

A device for conveying closures (D) made from metallic sheet in an essentially vertical direction from a collecting point (1) to a release point (6) is proposed. The closures are selected to be in correct position during conveying in order to release at the release point (6) only same-lying closures in a row of closures following one another closely. A conveyer belt (10) serves for the transport (v1, v2) of the closures. A sensor and discharge device (17, 16, 19, 18; 3) serves for detecting wrong-position closures and for lateral discharge (q1, q2) of individual wrong-position closures. In the course of the conveyer belt (10) upstream of the sensor and discharge device, a bar (15) is arranged above the conveyer belt, which terminates after the sensor and discharge device (17, 16, 19, 18; 3). More than one row (R1, R2) of closures next to one another may be supplied separately to the sensor and discharge device (17, 16, 19, 18; 3). The performance itself is thus increased if the speed of the belt (10) is reduced. Performance is understood to mean the number of conveyed lids/minute which hitherto reached an order of magnitude of about 800 lids/minute.